



Navy and Marine Corps Spectrum Offices (NMCSO) Status

Spectrum Management Challenges for the 21st Century

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OVERVIEW



- Primary Mission Responsibilities
- Organizational Chain of Command
- NMCSO Regions
- Afloat Spectrum Support
- Shore Spectrum Support
- Manning
- Spectrum Management Immediate Challenges
 - Documentation
 - ◆ NTP-6 Published rewrite.
 - ◆ Fleet guidance updates (Annex K update)
 - ◆ Shore Installation Spectrum Management Guidance



ONE TEAM



- **Eight** Navy and Marine Corps Spectrum Center (NAVMARSPECCEN) regional offices.
- **Eight** Regional offices providing spectrum support to all Navy and Marine Corps commands and activities within their respective Region of Responsibility (ROR).
- Implementation of all spectrum management Guidance, Task and Execution of Day-to-Day operations of NMSC spectrum responsibilities.



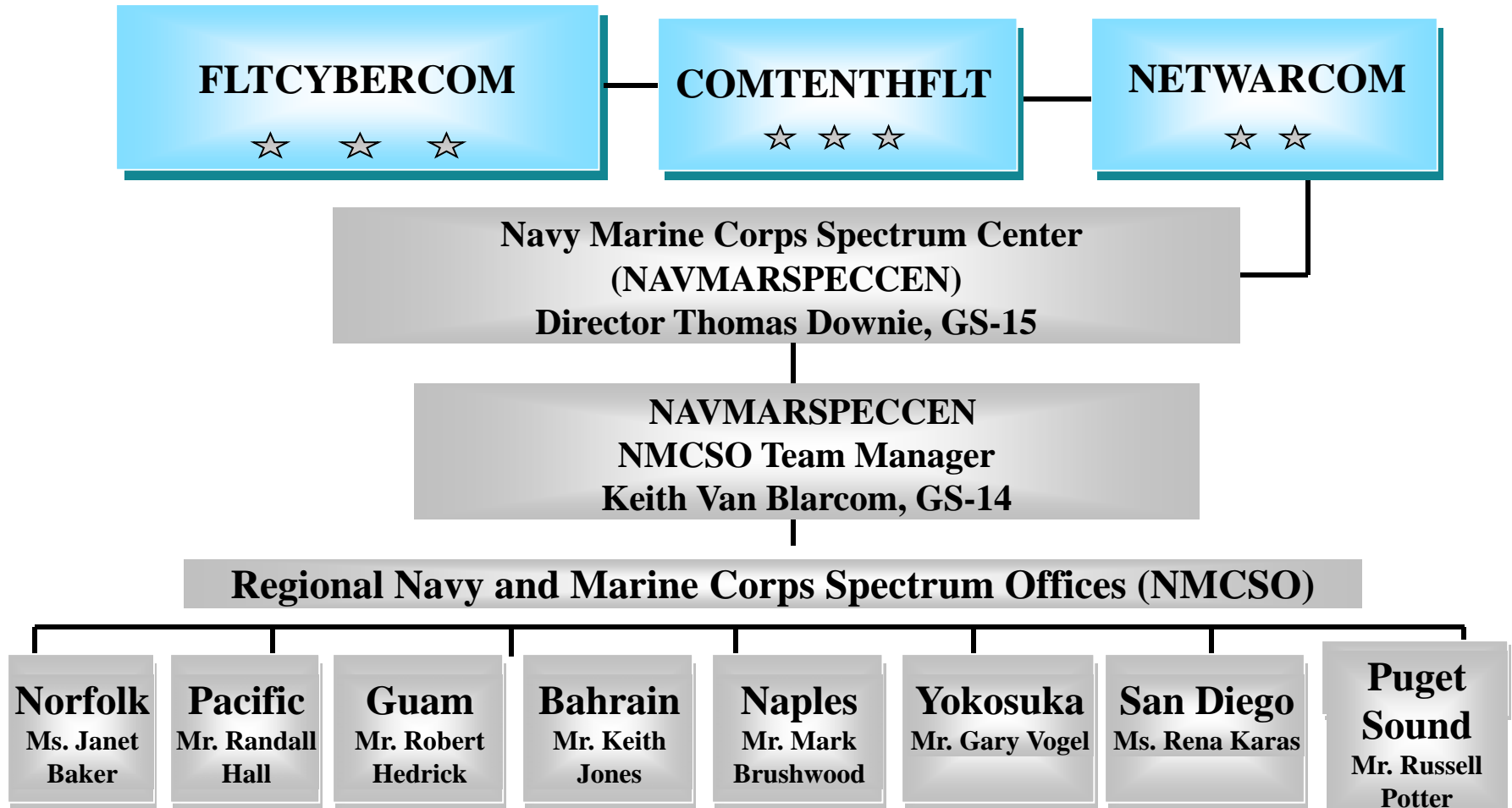
NMCSO Primary Mission Responsibilities



- Management and coordination for use of the frequency spectrum within respective regions.
- Focal point for all Navy and Marine Corps Spectrum requirements afloat and ashore.
- Regional area installation spectrum managers, ground electronics technicians, and other spectrum users comply with rules and regulations.
- Maintain a program for continuous periodic frequency assignment review with users.
- Assist in the mitigation of EMI.
- For complete listing of Mission, Function and Task, review NTP-6, MCO 2400.2 and applicable NETWARCOMINST 5450 series.



Organizational Chain of Command





NMCSO Regions

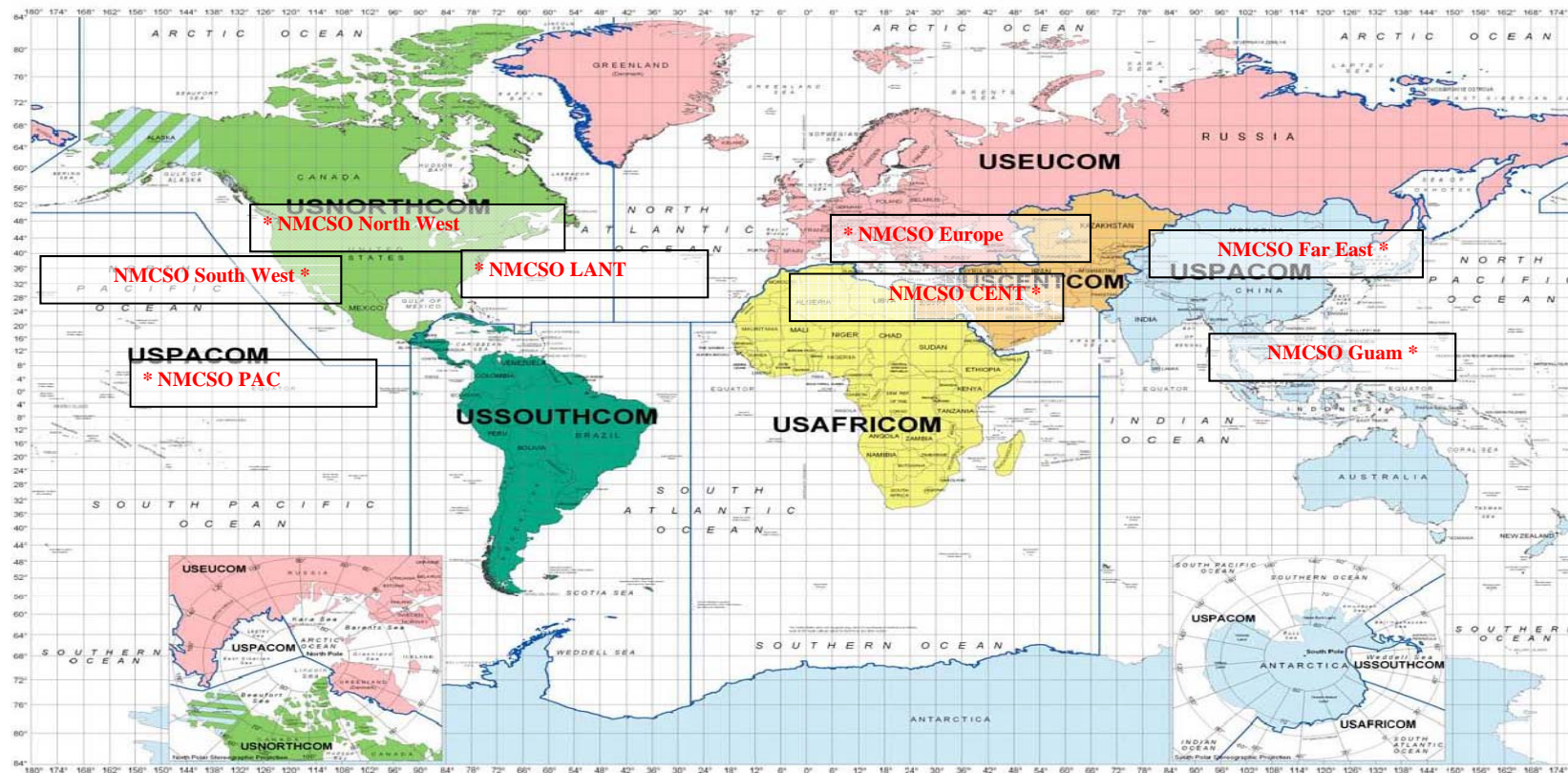


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THE WORLD WITH COMMANDERS' AREAS OF RESPONSIBILITY

EDITION 8 NGA
BASED ON
UNIFIED COMMAND PLAN
17 DECEMBER 2008

SERIES



RIES 1107
ITION 8 NGA



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State of Alaska assigned to USNORTHCOM's
Area of Responsibility. Forces based in Alaska
remain assigned to USPACOM.

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MILLER CYLINDRICAL PROJECTION

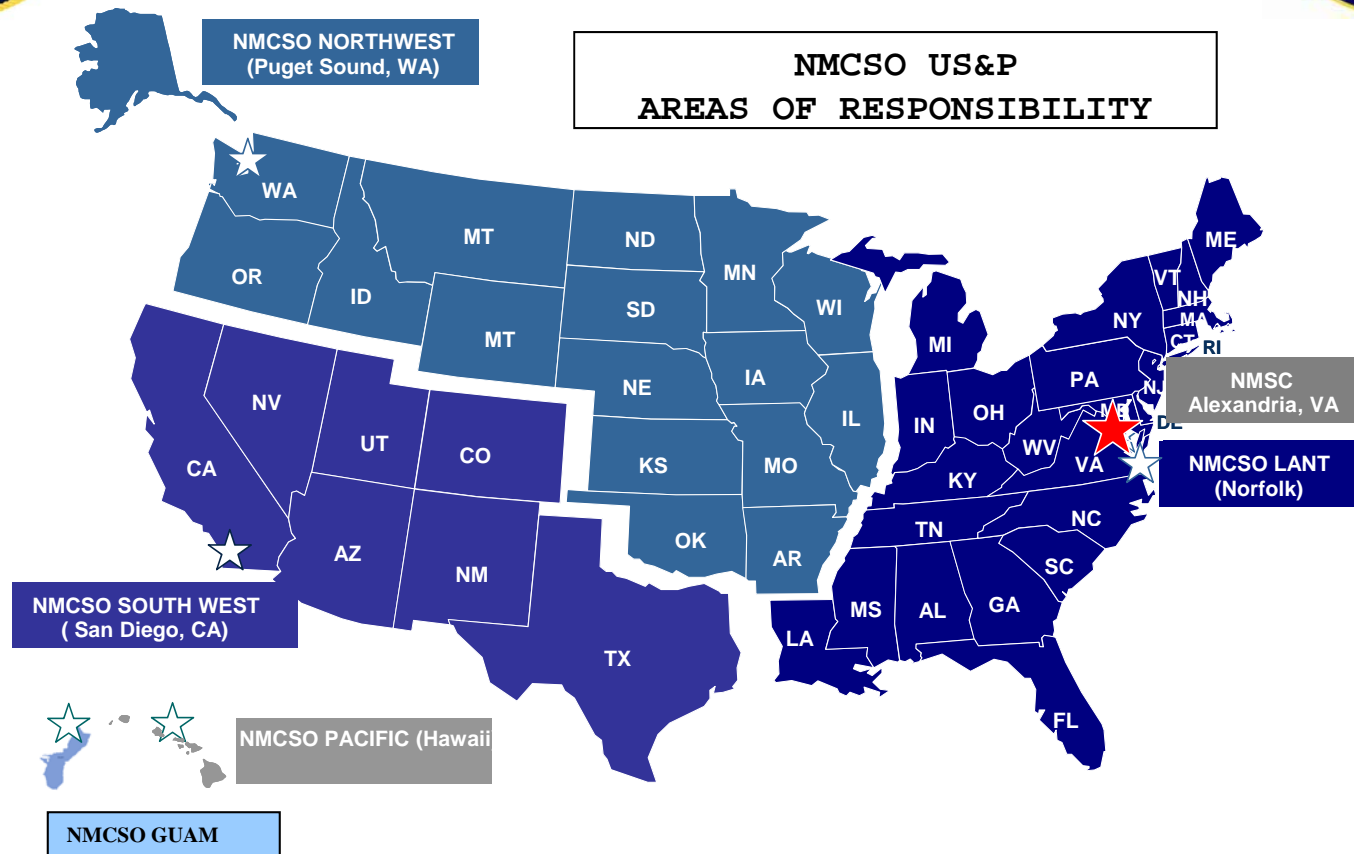
The 1950 Israeli proclamation that
Jerusalem be the national capital is
not recognized by the United States.

* West Bank and Gaza Strip - "Israeli-occupied with current
status subject to the Israeli - Palestinian Interim Agreement -
permanent status to be determined through further negotiation."

THE REPRESENTATION OF BOUNDARIES
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NMCSO Regions U.S. & Possessions





NMCSO Regions Outside CONUS



- **NMCSO Pacific:** All Pacific Rim countries (less the countries listed under NMCSO Far East) and those ocean areas under the cognizance of USPACOM.
- **NMCSO Far East:** Japan, Korea, Diego Garcia, Singapore and coastal waters therein.
- **NMCSO Bahrain:** Gulf Cooperative Council (GCC) countries and ocean areas under the cognizance of USCENTCOM, specifically the Red Sea, the North Arabian Sea, and the Persian Gulf and portions of the Indian Ocean area.
- **NMCSO Europe:** European/African countries and those ocean areas under the cognizance of USEUCOM and USAFRICOM.
- **NMCSO LANT:** All countries and ocean areas under the cognizance of USSOUTHCOM.



Afloat Spectrum Support



- **Atlantic areas** – SECONDFLT, FOURTHFLT, II MEF and MARSOC units with NMCSO LANT (Norfolk, VA).
- **Pacific areas** – THIRDFLT, SEVENTHFLT with NMCSO PAC (Hawaii), NMCSO FE Japan, and/or NMCSO GUAM as appropriate for in port and coastal areas. I MEF and III MEF units coordinate with NMCSO PAC and/or NMCSO Guam as appropriate when operating outside of Japan, South Korea or CONUS.
- **European areas** – USEUCOM and USAFRICOM, SIXTHFLT units with NMCSO Europe (Naples, Italy); II MEF units with MARFOREUR. Note: this includes the EAST LANT ocean area (EAST of 45 Degrees West Longitude), Mediterranean Sea, Black Sea, and Baltic Sea.



Afloat Spectrum Support Cont.



- **Indian Ocean areas** For the Indian Ocean east and south of the line from the India/Pakistan coastal border west to 068° E, south to 5° S/068° E, west to 5° S/059° E, south to 8° S/059° E, southwest to 11° S/054° E, west to 11° S/042° E, and south along 042° E to Antarctica; Australia, New Zealand, and Hawaii, SEVENTHFLT and FIFTHFLT assets operating therein should coordinate with NMCSO Bahrain or NMCSO PAC as appropriate.
- **Central Command (NMCSO Bahrain)** OPCON to NMSC, Tactical Control (TACON) of COMFIFTHFLT/COMUSNAVCENT for all FIFTHFLT spectrum requirements for units operating within areas east of coordinates listed above and areas requiring coordination within AFRICOM nations and coastal waters.



Shore Spectrum Support



- NMCSO is the focal point for all shore spectrum requirements within respective Region of Responsibility.
- All shore-based commands, activities, installations, bases, stations, camps, posts, and units, both active and reserve are responsible for RF emissions originating from within the physical limits of their property.
- Follow applicable service regulations and guidance:
 - Navy – NTP-6 “Navy and Marine Corps Spectrum Management Operations Users Manual”
 - Marine Corps – MCO 2400.2a “Marine Corps Management and Use of the Electromagnetic Spectrum
 - COCOM directives for OCONUS and applicable service regulation.



NMCSO MANNING



NMCSO	PAC	LANT	CENT	EUR	NORTH WEST	SOUTH WEST	GUAM	FAR EAST
Civilian	3	2	4	1	1	3	2	2
Military	1-E7 Vacant	1-E8 Vacant	1-E7 Filled	2-E6 Filled	1-E6 Vacant	1-E7 Vacant	1-E6 Vacant	1-E7 Filled
	1-E6 Filled	2-E7 Filled	1-E6 Filled			1-E6 Vacant		
		2-E6 Filled						
		1-E6 Vacant						
	5	8	6	3	2	5	3	3



Spectrum Management Immediate Challenges



- **Documentation update**
 - NTP-6
 - Fleet Forces Guidance
 - Regional Fleet Commanders Guidance
 - Installation Spectrum Managers Guidance
- **Marine Corps Order 2401.2A (07Oct2009)** Marine Corps Management and Use of the Electromagnetic Spectrum – BZ
- **Training and Educating**
- **Manning** NMCSOs to current projections
- **Spectrum Management and E3 Business Process Development** (as discussed by Mr. Tabor FEWC)